

Clean Copy of New Claims

67. (new) A vector comprising a DNA sequence encoding a transcription factor, having the following elements in the 5' to 3' direction, i) a promoter, ii) DNA encoding a DNA binding domain of the bacterial repressor LexA, iii) DNA encoding a transactivating domain of VP16, iv) DNA encoding the regulatory domain of an estrogen receptor.
68. (new) The vector of claim 67 wherein said vector further comprises a gene encoding a selectable marker or a screenable marker, the expression of which is controlled by the transcription factor.
69. (new) The vector of claim 68 wherein said gene is *ipt*, *CK11*, *luciferase*, a member of the *knotted* family, a gene the expression of which can promote shoot regeneration and development, or a gene the expression of which promotes somatic embryogenesis.
70. (new) The vector of claim 67 wherein said vector further comprises one or more genes of interest.
71. (new) The vector of claim 68 wherein said gene is a gene for antibiotic resistance.
72. (new) The vector of claim 68 wherein said gene is a gene for herbicide resistance.
73. (new) The vector of claim 67, further comprising a luciferase gene or a gene that causes anthocyanin production.

74. (new) The vector of claim 73, wherein the gene that causes anthocyanin production is the maize *Lc* gene.
75. (new) The vector of claim 67 wherein said promoter is a constitutive promoter.
76. (new) The vector of claim 75 wherein said constitutive promoter is G1090.
77. (new) The vector of claim 67 wherein said promoter is a tissue-specific promoter.
- ~~78.~~ (new) An isolated nucleic acid encoding a transcription factor, comprising, in the 5' to 3' direction, i) a promoter, ii) DNA encoding a DNA binding domain of the bacterial repressor LexA, iii) DNA encoding a transactivating domain of VP16, iv) DNA encoding a regulatory domain of an estrogen receptor.
79. (new) A transgenic plant or transgenic plant cell comprising a nucleic acid of claim 78.
80. (new) The transgenic plant or transgenic plant cell of claim 79, further comprising a gene encoding a selectable marker or a screenable marker the expression of which is controlled by the transcription factor.
81. (new) The transgenic plant or transgenic plant cell of claim 80, wherein the gene is selected from the group consisting of *ipt*, *CK11*, a member of the *knotted* family, a gene the expression of which can promote shoot regeneration and development, or a gene the expression of which promotes somatic embryogenesis.

A² correct

82. (new) The transgenic plant or transgenic plant cell of claim 79, further comprising a luciferase gene or a gene that causes anthocyanin production.

83. (new) The transgenic plant or transgenic plant cell of claim 82, wherein the gene that causes anthocyanin production is the maize *Lc* gene.

As amended